

#6. California Coast.

D^r: 4409 to D^r: 4449.

H-y.

Apr. 9th. to May 11th, 1904.

No. 6

Dr. 4409 - Dr. 4449.
Say 4499. (No Hy. in this book)

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

St. Catalina Id, 845-3644 2 1/10'

SW,

C.S.# 5100-

Bar. 29.93"
Therm. att 66°
light to gentle air
variable
gulls about
Pleasant, clearing
Smooth Sea

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2" outside mesh; usual bag inside

NOT
FILED

No. 54410

Date 11 Apr. 1904

Sigsbee Machine. Reel. N^o 1

Turns 164 Cor. + 14 Depth 178 fms.

Shot or lead 36 lb

Bottom fine gy S. R.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 60° Surface 60° Drift N 16° W 15' 10"

Trawl ~~or dredge~~ 9' Tanner with all fittings

Am SOUNDING WIRE.

DOWN.

UP.

TURNS.

Am DREDGE ROPE.

DOWN.

Am UP.

7.37.00 7.42.00

0

7.42.30 8.26.30

100

22.30

200

18.30

250

7.50.00 8.15.30

400

time 25 1/2 min

500

7.55.00 190 fms.

up 7.59 = 190 "

down 8.04 1/2 = 255 195

up 8.11 15, R

700

down 8.14 1/2 rep.

up no sandy

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

good haul

Net slightly

torn, but

repaired

during run to

next station

Sog out reading 212.1

Longht, Sta Catalina I., N 79° W, 28/10

OK
N 79° W

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Course, N. W. by N.

Overcast foggy with

Lt. air to calm

Smooth sea.

Bar. 29.95

Therm. at 61.5

No life in sight.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Not on slightly from 'Round Bottom

507.
M.

Pat Log 25, 1

No. Dr 4411

Date

April 11th 04

Sigsbee

Machine.

Reel.

N.T. #1

Turns 133 Cor. + 10

Depth 143 fms

Shot or lead 36 lb.

Bottom fine gy S

Bottom temperature

No. of thermometer not used

Cor.

Corrected temperature

Air

61°

Surface

61°

Drift

1° 10'

Trawl or dredge 9' Tanner as before

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.51.50	8.55.30	0	8.56.00	9.46.00
2.45		100	59.40	37.45
3.40	8.54.00	200	9.03	34.30
133 turns		225	9.04.00	9.32.00
		300		
		400	time	28m
		500		
		600	Small Haul	
		700		
		800	9.26 arrived to	
		900	to 250 fms	
		1000	9.27 stopped	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Run two miles to next station by Pat Log

Long Pt, Sta Catalina Id, S 18° 30' E, 2 1/10'

	2500	
	2600	
Course N 21°	2700	
Bar 29.95 "	2800	
Therm at 60.05°	2900	
Wind var bl light	3000	
Foggy	3100	
Smooth sea	3200	
No life in sight	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2001. *2001R*

Pat Log 27.3

No. *Dr 4412* Date *April 11. 04*

Sigsbee Machine. Reel. *NT #1*

Turns *254* Cor. + *20* Depth *274 fms*

Shot or lead *36 lbs*

Bottom *gn M*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *60°* Surface *61°* Drift *(N 88° W 1.0')*

Trawl or dredge *9' Tanner as used with Revent Gun*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9 59.15	10 05.00	0	10.04.00	10.54.30
10.00.00	04	100	07.20	51.10
0.55		200	10.10	48.10
254 turns	10 02.20	300	13.05	45.10
<i>Intermittent Soundings</i>		350	10.14.30	10.44.00
10.10.00		400	<i>time 29 1/2 min</i>	
10.16.20	<i>254 turns 271 fms</i>	500		
10.23.	<i>246 turns 266 fms</i>	600	<i>Poor haul, very few specimens</i>	
10.28.30	<i>245 turns 265 fms</i>	700		
<i>spread wings</i>		800		
10.40.00		900		
10.46.10		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Run 15 minutes full speed, two miles

4000

REMARKS:

No. *117* 4413 Date *Oct 11, 1904*

Machine. Reel.

Turns 140 Cor. + 12 Depth 152 fms

Shot or lead 36 lbs

Bottom dk, gy S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 60 Surface 62 Drift 1/10

Trawl or dredge 9' S

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11. 13. 30	11. 19. 50	0	11. 17. 20	1. 5. 40
16. 00	18. 30	100	20. 40	52. 30
11. 15. 00	11. 17. 30	200	22. 30	49. 40
17. 30		235	24. 30	11. 48. 00
		400	time 23 1/2 min.	
		500		
11. 25. 00		600		
11. 30. 00	150 turns dk gy S	700		
11. 35. 00	152 turns dk gy S	800		
11. 39. 30	154 turns dk gy S	900		
		1000		
11. 44. 00	150 turns dk gy S	1100		
11. 51. 00		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2-10-1875 S 15° E. 2 1/2'

	2500	
Course W 1/2 N	2600	
Bar 29.96"	2700	
Th. att 63.5°	2800	
Light air from N. E.	2900	
Foggy	3000	
Smooth sea	3100	
Few gulls in sight	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

C. 1. = 37.8

557
A. 1111

No. *Dr. 4414* Date *11 Apr. 1904*

Sigsbee Machine. Reel. *Nav. #1.*

Turns *144* Cor. + *12* Depth *156 fms.*

Shot or lead *36#*

Bottom *fm. gy. S. M. 1-ky.*

Bottom temperature

No. of thermometer *4* Cor.

Corrected temperature *(52.5°C)*

Air *66°* Surface *62°* Drift *1.0'*

Trawl or dredge *0' Trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.06.25</i>	<i>1.10.10</i>	0	<i>1.12.45</i>	<i>1.51.30</i>
<i>07.30</i>	<i>09.15</i>	100	<i>16.00</i>	<i>48.53</i>
<i>1.08.00</i>	<i>1.08.45</i>	<i>144</i>	<i>18.25</i>	<i>44.00</i>
		<i>200</i>	<i>1.19.00</i>	<i>1.42.40</i>
		225		
		300		
		400	<i>V = 25 min.</i>	
<i>Inter. Log.</i>		500		
		600		
<i>1.19.00</i>	<i>- 160 fms.</i>	700	<i>Sec. 142, 148, 152.</i>	
<i>1.27.00</i>	<i>- 148</i>	800	<i>"</i>	
<i>1.35.00</i>	<i>- 142</i>	900	<i>Sec. 142, 148.</i>	
<i>1.41.00</i>	<i>- 131</i>	1000	<i>"</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3179. S. 10. 577° E. 4 1/10'

Cal. 100

Course, S. 10. W.

Distance, 100

Angle, 100

Smooth, 100

Bar, 29.95

Therm, 67.

No. 100

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4415 Date 11 Feb. 1924

Machine. Reel.

Turns 570 Cor. + 48 Depth 618 fms.

Shot or lead 36 lb

Bottom fm. M.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 65° Surface 62° Drift 1.3'

Trawl or dredge 9' Trawl.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.16.00	3.08.45	0	3.05.45	4.31.00
	07.45	100	10.00	27.00
	06.45	200	13.30	24.10
	05.45	300	16.10	20.30
	04.50	400	19.35	17.00
2.00.40	03.50	500	22.00	13.10
2.01.10	3.02.40	570	26.10	09.10
		700	29.40	05.10
		800	3.33.00	4.00.30
		900		
		1000	27 1/2 min	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Time haul in quantity

NEP for ... 8 1/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

Canna, S.E.
 Overcast, foggy.
 Lat. 34° 30' N. Long. 121° 30' W.
 S.W. 29.96
 Therm. 66.0
 One ...
 ...

28 500

print.

...

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3415* Date *June 11. 1881*
 Machine. Reel *N T 1*
 Turns *210* Cor. + *50* Depth *260*
 Shot or lead *36 lb*
 Bottom *gn. M.*
 Bottom temperature
 No. of thermometer *inst.* Cor.
 Corrected temperature
 Air *62°* Surface *61°* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>4.02.20</i>	<i>4.09.40</i>	0		
<i>03.00</i>	<i>08</i>	100		
<i>04.00</i>	<i>07</i>	200		
<i>4.05.00</i>	<i>4.06.30</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 151. 4/4/16. Date 12 Feb 20
 Sigsbee Machine. Reel. V. 1.
 Turns 415 Cor. + 33 Depth 448 fms.
 Shot or lead 36 lb.
 Bottom dk. gn. gy.
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 52 Surface 59 Drift 14 1/10'
 Trawl or dredge 9' Tm. as before.

SOUNDING WIRE.

DOWN.	UP.
7.51.00	8.00.00
51.00	7.55
52.45	58.45
53.45	55.45
54.45	56.15
7.54.00	56.00

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN.	UP.
7.57.50	8.04.10
—	8.01.30
8.05.55	8.00
09.00	—
12.00	—
15.00	—
8.17.00	8.46.00

Sta. No. 50, Sta. No. 51, May 1907.

42/10

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Course, West.

Overcast, fog over top of Sta. Barbara Id.

Calm.

Smooth Sea.

Bar. 30.8

Therm. at. 58

Therm. 7 fath.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

100.
11/15/11

No. *E. 4416.* Date *12 Feb. 11.*
Smith Machine. Reel. *No. 1.*
 Turns *2* Cor. + *24* Depth *222 fms.*
 Shot or lead *36 lb*
 Bottom *dk. gn. M. R.*
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air *57°* Surface *57°* Drift _____
 Trawl or dredge _____

Am. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.40.00</i>	<i>8.56.45</i>	0		
<i>44.10</i>	<i>55.05</i>	100		
<i>53.45</i>	<i>52.55</i>	200		
<i>8.51.45</i>	<i>9.52.45</i>	<i>292</i> 300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1007.
101617

Osborne Bk.

No.

Date

12 Feb. 1904

Tanner Machine. Reel.

Turns

Cor. +

Depth

Shot or lead 26 lb

5.9 fms -

Bottom fine gr. S. (coraline P)

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

(57.3071)

Air 57° Surface 57°

Drift

1 3/10

Trawl or dredge 8 fathoms

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
33.10	2.52.20	0	10.10.00	10.30.20
34.20	2.54.30	100	"	"
		200	29.00	10.22.00
		300	2 1/2 min.	
		400		
		500		
		600		
		700		
		800		
9-48-29 fms.		900		
50-29		1000		
51-29		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St. Rock, N. P. M. 6²/10

Colony Seal	2500
	2600
	2700
	2800
	2900
	3000
Overcast, heavy.	3100
Lt. breeze from S. W.	3200
Sensate Sea.	3300
Bar. 30.12	3400
Therm. at 1000	3500
Numerous gulls.	3600
	3700
	3800
	3900
	4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

about 16 miles from St. 10.31.00
 Catch: Rock-crab, small fish, etc.
 etc.

No. *Trial* Date *12 Aug 04*
Sigsbee Machine. Reel. *1*
 Turns *127* Cor. + *10* Depth *137 fms.*

Shot or lead *36 lb*

Bottom *bx Sp. g. gy. S.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *58°* Surface *59°* Drift

Trawl or dredge *9' Trawl*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10.47.45

50.55

0

48.45

49.55

100

10.48.55

49.40

127

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4418*. Date *12 Feb. 04*
Sigsbee Machine. Reel. *Van. 1.*
 Turns *220* Cor. + *18* Depth *238 fms.*
 Shot or lead *36 lb*
 Bottom *gy. S.*
 Bottom temperature
 No. of thermometer *f* Cor.
 Corrected temperature *(57.30 W)*
 Air *52* Surface *58* Drift *0.8'*
 Trawl or dredge *9' Trawl as before.*

Am. SOUNDING WIRE.

DOWN.	UP.	TURNS.
<i>10.58.00</i>	<i>11.02.40</i>	0
<i>8.45</i>	<i>00.40</i>	100
<i>59.40</i>	<i>00.35</i>	200
<i>10.59.50</i>	<i>11.00.00</i>	220
		300
		300
		400
		380
		500
<i>11.14</i>	<i>260 fms. 11.30</i>	200
<i>25</i>	<i>200 " 11.20</i>	100
<i>35</i>	<i>310 " 11.40</i>	200
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Am. DREDGE ROPE.

DOWN.	UP.
<i>10.58.00</i>	<i>11.52.00</i>
<i>-</i>	<i>49.00</i>
<i>11.07.30</i>	<i>46.00</i>
<i>-</i>	<i>47.30</i>
<i>11.15.00</i>	<i>44.00</i>
<i>20.00</i>	<i>11.39.00</i>
<i>= 32 min.</i>	

St. Mark N 8° E, 6⁹/₁₀'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
Comm. S. H. 0. 11. 3100	3100	
Decrease of m. 3200	3200	
Ld. break from 3300	3300	
Smooth. 3400	3400	
Bar. 30.12 3500	3500	
Therm. 61 3600	3600	
Therm. 3700	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

NOT. 1.17 PM. Pat sig ready 75.1

No. 11 40 19 Date April 12 '00
 Sigsbee Machine. Reel. 75.1
 Turns 250 Cor. + 70 Depth 270
 Shot or lead 36 lbs 38 lbs
 Bottom mud, silt
 Bottom temperature
 No. of thermometer not used Cor.
 Corrected temperature (55.0)
 Air (62) Surface 50 Drift 5/10'
 Trawl or dredge 7' 40 lbs. Aug.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 17. 45	1. 25. 10	0	1. 22. 00	1. 57. 30
18. 40	24. 00	100	6. 25	54
19. 35	23. 10	200	30. 00	51. 00
20. 30	1. 2. 15	300	33. 00	47. 10
		325	1. 35. 00	1. 4. 30
		400	Trawl on	
		600	rock (big)	
		700	stone	
		800	crab	
		900	small fish	
		1000	to 1000	
		1100	No. 1000	
		1200	small point of it	
		1300	only	
		1400	bottom	
		1500	small fish	
		1600	small fish	
		1700	water	
		1800	after	
		1900	small fish	
		2000	of	
		2100		
		2200		
		2300		
		2400		

and only became
 sent that travel
 small fish in water
 in order to be

East Point, San Nicolas Island

		2500	5730 W.
11. 5 W 1 W		2600	84/10'
Bar. 30.10"		2700	
Therm. 61°		2800	
WNW, 2		2900	
		3000	East Point is that
		3100	one of the points
		3200	end, which is
		3300	north of the
		3400	"anchorage" shown
		3500	on C.S. chart
		3600	#5200.
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1420* Date *July 15 1881*

Machine. Reel.

Turns *31* Cor. + *2* Depth *33 fms*

Shot or lead *36 lbs*

Bottom *fm gy S*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *61°* Surface *59°* Drift *(S 60° W, 2 1/2 10')*

Trawl or dredge *10' beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2. 24. 00	2. 26. 00	0	2. 28. 00	03. 00
25	25. 30	40	2. 31	
		55	2. 34	3. 01. 00
<i>Turned Sounding</i>		300	<i>time on</i>	
2. 31	38 fms	400	<i>bottom 1/2 hour</i>	
2. 36	38	500		
2. 41	36	600		
2. 46	36	700		
2. 53	38	800		
2. 58	32	900	<i>Transducer</i>	
		1000	<i>2. 31. 00</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

East Point, San Nicolas D^y

<i>11.00 SW 1/2 NW 1/2</i> <i>1.00 5.00 "</i> <i>1.00 11.00 "</i> <i>11.00 11.00 "</i> <i>Sea Smooth</i> <i>Breeze at, light</i> <i>Many fathoms</i>	2500	<i>S 77°</i> <i>W. 1</i> <i>59/10'</i>	
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D 4421 Date April 12 1904

Sigsbee Machine. Reel.

Turns 269 Cor. + 22 Depth 291 fms

Shot or lead 36 fms

Bottom gy. M. R

Bottom temperature

No. of thermometer 111 Cor.

Corrected temperature

Air 61° Surface 59° Drift (S 67° E - 7/10')

Trawl or dredge 10' Blake

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.34.00	3.41.53	0	3.43.00	4.22.00
5 0	40.00	100	46.30	39.10
	39.00	200	50.00	-
17 10	3.38.00	300	2.54.00	4.20.00
		400	= 26 min.	
		500		
		600		
3.48.00	229.57	700		
4.10.00	256.00	800		
4.24.00	298.00	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

East Point, San Diego, Cal.,

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

N 260 W.

38/10'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4422* Date *April 13, 1904*

Tanner Machine. Reel. Tanner

Turns *30* Cor. + *1* Depth *31*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *64°* Surface *59°* DriftTrawl or dredge *10' F. dredge*{ East
0.8'

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
7 6.29	29.00	0	7. 28. 29	8.00.00
37. 29	28. 29	100		
		40	7. 31. 50	7. 51. 30
		200		2 6 min.
		300		
		400		
		500		
7 24.30	31. 11	600		
7 43. 10	31. 11	700		
7 42. 00	32. 11	800		
7 41. 00	31. 11	900		
7 54. 00	31. 11	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

East Point, San Nicolas Id.

<p><i>F.V.E.</i> <i>30.04</i> <i>Therm. 60.5°</i> <i>Wind WNW, 1</i> <i>Clear & pleasant</i> <i>No gulls/...</i></p>	2500	<p><i>S 11° E</i> <i>2 6/10'</i></p>
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P. L. = 94.1

No. *Dr. 4123*. Date *12 Apr. 1904*.*Sigsbee* Machine. Reel. *Navy No 1*.Turns *314* Cor. + *25* Depth *339 fms*~~Shot or lead~~ *364*Bottom *sh. bk. p. gy s.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *61* Surface *57*Drift *(S. 20° W 1 3/10')*Trawl or dredge *10' Blake as before*

Am. SOUNDING WIRE.

TURNS.

Am. DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8.40.30 *8.47.00*

0

8.46.10 *8.45.50**41.55* *46.10*

100

45.25 *41.55**42.35* *45.20*

200

52.25 *38.10**43.30* *44.30*

300

56.55 *34.15**8.43.40* *8.44.20*

314

9.01.20 *30.20*

400

9.01.20 *9.29.20*

500

*Sigsbee**8.52.00* *328 fms.*

600

*= 28 min.**8.58.00* *301 "*

700

9.04.00 *279 "*

800

9.25.00 *216 "*

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

East Point, San Nicolas,

South, $7\frac{6}{10}'$

6.10.10

Course, S. W.

Clear, light breeze

Light breeze from W. N. 3300.

Small sea.

Bar. 30.10

Therm. 61.2

Direction, etc.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

$\Delta L = 99.1$

No. *Dr. 4424* Date *22 Dec 1924*

Machine. Reel. *North*

Turns *522* Cor. + *42* Depth *574 fms*

Shot or lead *36 lb*

Bottom *fine gy. S.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—* *{ 55.50 hr. }*

Air *69°* Surface *57°* Drift *17/10'*

Trawl or dredge *10' Blake 10' beam*

am. SOUNDING WIRE.			am. DREDGE ROPE.		
DOWN.	UP.	TURNS.	DOWN.	UP.	
<i>10 29.30</i>	<i>10.39.50</i>	0	<i>10.37.05</i>	<i>11.53.00</i>	
<i>30.20</i>	<i>38.55</i>	100	<i>41.30</i>	<i>49.45</i>	
<i>31.20</i>	<i>38.00</i>	200	<i>45.30</i>	<i>46.20</i>	
<i>32.10</i>	<i>37.05</i>	300	<i>49.30</i>	<i>43.00</i>	
<i>33.10</i>	<i>36.10</i>	400	<i>51.30</i>	<i>39.50</i>	
<i>34.10</i>	<i>35.20</i>	500	<i>54.30</i>	<i>36.55</i>	
<i>10.34.20</i>	<i>10.35.00</i>	522	<i>57.15</i>	<i>33.35</i>	
		600			
		700	<i>11.00.30</i>	<i>30.30</i>	
<i>10.42.00</i>	<i>572 fms</i>	750	<i>11.02.00</i>	<i>11.28.00</i>	
<i>11.11.00</i>	<i>581.1</i>	800		<i>26 min.</i>	
		900		<i>low haul.</i>	
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

Compensating watch
ahead 3 min to

House

East Point, San Nicolas I.,

South, 13.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

V.V.

Canoe, W.S.W.

Clear, haze over land.

Light gentle breeze.

Smooth sea.

Bar. 30.10

Therm. at 6.30

Several gulls.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 1.12 in 10.1

No. *D. 1125* Date *Dec 12 1899*

Machine. Reel. *1*

Turns *1032* Cor. + *79* Depth *1111* meters *11*

~~Shot or lead~~ *361*

Bottom *gn M. S. G. 6.*

Bottom temperature

No. of thermometer *not used* Cor. *527*

Corrected temperature

Air *69°* Surface *60* Drift *13/10*

Trawl or dredge *9' Tanner*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. <i>P.M.</i>	UP.		DOWN. <i>P.M.</i>	UP.
<i>1</i>	<i>46.10</i>	0	<i>1.15.20</i>	<i>3.38.20</i>
<i>15</i>	<i>43.40</i>	100	<i>20.00</i>	<i>34.40</i>
<i>16.50</i>	<i>11.50</i>	200	<i>22.10</i>	<i>31.25</i>
<i>6</i>	<i>40.00</i>	300	<i>27.00</i>	<i>28.10</i>
<i>17.40</i>	<i>18.10</i>	400	<i>30.10</i>	<i>24.50</i>
<i>18.40</i>	<i>16.10</i>	500	<i>33.05</i>	<i>21.40</i>
<i>19.40</i>	<i>15.00</i>	600	<i>36.00</i>	<i>17.35</i>
<i>20.40</i>	<i>33.10</i>	700	<i>38.55</i>	<i>13.45</i>
<i>21.40</i>	<i>31.10</i>	800	<i>41.50</i>	<i>10.15</i>
<i>22.40</i>	<i>29.10</i>	900	<i>44.40</i>	<i>07.15</i>
<i>23.40</i>	<i>27.10</i>	1000	<i>47.30</i>	<i>04.20</i>
<i>24.40</i>	<i>25.10</i>	1100	<i>50.20</i>	<i>01.20</i>
		1200	<i>53.10</i>	<i>00.10</i>
		1300	<i>56.00</i>	<i>00.30</i>
		1400	<i>58.50</i>	<i>01.00</i>
		1500	<i>61.40</i>	<i>02.15</i>
		1600	<i>64.30</i>	<i>03.10</i>
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

angle of wire
holding astern

East Point, San Nicolas Is.

571571	2500	59.8, 21 8/10'
	2600	
	2700	
145	2800	
	2900	
Tair & pressure (hr)	3000	
Galileo's clock; as used	3100	
2.00 (Braying in)	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3* *4425* Date *Aug 15 1884*Machine. Reel. *1000*Turns *1010* Cor. + *74* Depth *1084*Shot or lead *35 lb*Bottom *gy. M. G. S.*

Bottom temperature

No. of thermometer *2* Cor.

Corrected temperature

Air *62°* Surface *60°* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN. *PM* UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*2. 45.00**0**3 30**100**4. 30**200**5. 10**300**6. 10**400**7. 10**500**8. 10**600**9. 15**700**10. 15**800**1. 10**900**22. 30 2. 24.00**1000**1016 turns**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

	2500	
	2600	
	2700	
	2800	
	2900	
71	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr. 4426 Date July 14, 00
Tanner Machine. Reel.

Turns 100 Cor. + 2 Depth 102

Shot or lead 26 lb 127 lbs

Bottom Ag. S. R.

Bottom temperature -

No. of thermometer ✓ Cor. -

Corrected temperature - 55.5 F.

Air 67 Surface 57 Drift 2 3/4'

Trawl or dredge Tanner with beam trawl

SOUNDING WIRE.			DREDGE ROPE.		
DOWN.	UP.	TURNS.	DOWN.	UP.	
7.32.00	7.35.40	0	7.36.30	8.08.00	
		100	41.00	24.00	
		200	46.00	19.15	
		300		8.17.30	
		400			
		500			
		600			
		700			
8.09.00	8.02.16	800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

Pt San Pedro, Sta Cruz Is.

N 17° E, 4'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Course, 15/11

Wind, light breeze from N.W. and S.W.

Current, light from N.W.

Pressure, 30.02

Bar, 30.02

Therm, 62

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1245* Date *Jan 14 1907*
Sigsbee Machine. Reel. *N.T. #1*
 Turns *447* Cor. + *0* Depth *447 fms.*
 Shot or lead *35 lb.*
 Bottom *gy. m.*
 Bottom temperature *81.00*
 No. of thermometer *8100* Cor. *-0.1*
 Corrected temperature *80.9*
 Air *58* Surface *58* Drift *24.0*
 Trawl or dredge *12'*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.44.00</i>	<i>8.50.00</i>	0	<i>8.46.40</i>	<i>10.09.00</i>
<i>2.15</i>	<i>42.00</i>	100		<i>05.20</i>
<i>3.30</i>	<i>47.00</i>	200	<i>53.30</i>	<i>10.02.10</i>
<i>4.32</i>	<i>8.46.00</i>	300	<i>6.45</i>	<i>58.50</i>
<i>34 1/2 turns</i>		400	<i>9.20</i>	<i>5.15</i>
		500	<i>9.45.40</i>	<i>51.40</i>
		600		<i>4.45</i>
<i>8.53.00</i>	<i>14.23.47</i>	700	<i>11.00</i>	<i>4.50</i>
<i>9m</i>	<i>7m</i>	800		<i>9.41.10</i>
	<i>57.5</i>	900		
	<i>5.10</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Trawling from
- 9.11.00, Am.

Pt San Pedro, Santa Cruz I^{la}

N 35° E, 7.1

	2500	
Course S.W.	2600	
Barom. 30.05"	2700	
Therm. 60.5°	2800	
Wind S.E. 10-15	2900	
Mod. Sea	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	7 ft ripped in several places, but not damaged.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 111* Date *Oct 14 1917*

Machine. Reel. *117*

Turns *708* Cor. + *5* Depth *764*

~~Shot~~ or lead *36 lbs*

Bottom *gy. M.*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *65°* Surface *59°* Drift *2*

Trawl or dredge *9*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.20.00	10.36.30	0	10.22.00	10.31.30
21.00	35.10	100	4.00 28.30	11.56.30
1.50	34.10	200	2.10 31.40	12.00
2.40	33.05	300	2.10 3.50	52.40
3.40	32	400	3.50 6.40	49.10
4.40	31	500	2.00 9.40	45.30
5.40	30	600	3.00 4.00	42.00
6.50	29	700	3.00 5.10	39.00
10.27.00	10.28.00	800	4.00 9.00	5.30
		900	5.50 51.00	31.00
708 turns		1000	5.10 55.00	28.20
<i>Intermediate Sdg.</i>		1100	58.15	11.24.15
10.44.00	61.52.00	1200	Turns 26	
9. M.		1300		
11.05	89.10	1400		
7. M.		1500		
no sample of bottom		1600		
on 891, washed off		1700		
no doubt, on the		1800		
way up - tailow		1900		
winning appeared		2000		
cleaner		2100		
Sample 4962		2200		
at 10 feet second		2300		
		2400		

Pt San Pedro, Santa Cruz Is.		N 34° E, 10 ³ / ₁₀ '	
<i>Course S S W</i> <i>Bar 30.07"</i> <i>Therm alt 61.5°</i> <i>Wind W S W, force 3</i>		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 52.1

No. 1429. Date 14 Dec 04

Machine. Reel. Naval.

Turns 429 Cor. + 27

Depth 556 fms.

Shot or lead 36 lb

Bottom sm.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 62

Surface 61

Drift } 2'.

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.14.20 1.25.40

15.20 24.25

16.10 25.15

17.10 26.10

18.05 27.05

1. 18.45 1. 27.50

1.30 - 507 fms

1.46 - 654 "

2.05 - 680 "

2.20 - 680 "

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1.17.15 2.28.40

- 32.10

- 34.50

37.20 36.10

31.25 23.40

-

37.20 37.20

1.42.00 1.42.00

-

1.42.00 2.09.15

1.42.00 2.27.00

-

1.42.00 2.40.00

-

-

-

-

-

-

-

-

-

-

-

-

East Point, South Florida

<p>1100</p> <p>1100</p> <p>Comac S.W. 1/2 F.</p> <p>Fair, heavy overcast</p> <p>Moderate breeze S.W.</p> <p>Moderate sea</p> <p>Rain 30.4</p> <p>Temp 64</p> <p>Pressure 30.0</p>	<p>✓</p>	2500	58.75	85 5/10
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<p>Frame bent slightly;</p> <p>repaired by means of tool.</p>			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.
A. C. K. 11

P.L. = 55.1

No. 4430. Date 11/15/1904

Sigsbee Machine. Reel. Navy 81.

Turns 182 Cor. + 15 Depth 197 fms.

Shot or lead 36 lb

Bottom bk S. P.

Bottom temperature

No. of thermometer

Corrected temperature

Air 61 Surface 60 Drift { 533.71
13/10

Trawl or dredge 10' Blake, with pre-venter ring.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.03.25	3.08.10	0	3.04.20	3.58.45
04.20	07.00	100	—	49.00
3.05.10	3.06.00	182	11.30	45.30
		200	3.15.15	41.40
		300	3.21.40	3.36.45
Inter. Sigs.		400		
3.12 —	281 fms.	405		
3.24 —	284 "	500		
3.35 —	281 "	600		
		700	21 min.	
		800	Trawling from 3.15	
		900		
		1000	Strain on accumulator	
		1100	Registers 7/10 and record	
		1200	at 5 fms.	
		1300		
		1400	Not split from	
		1500	frame to tail; but	
		1600	specimens still there.	
		1700	Rather in hand.	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

East Point, Santa Rosa. 8°.

	2500	N 74° W, 55/10'
	2600	
	2700	
	2800	
	2900	
	3000	
Course, S. 45° E. by V.	3100	
Time, 5 min. 0 sec. 0 min.	3200	
Still breeze N. E. 1/2 E.	3300	
Water, 5 min.	3400	
Rav. 30.02	3500	
Therm. at 65	3600	
Seagulls, about	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600	One or two light-blue clouds seen, not rising from the surface, but below the pocket. Badly damaged.			
700				
800				
900				
1000				

REMARKS:

1000 yards 73.1 at 8.04

No. *Dr 4431* Date *April 15 204*

Tanner Machine. Reel.

Turns *40* Cor. + *1* Depth *41*

Shot or lead *26 lbs*

Bottom *gl m & R*

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air *7* Surface *50* Drift *6/10*

Trawl or dredge *11' Tanner Dredge*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN. *4*

UP.

DOWN. *A*

UP.

8.04.00 *8.06.00*

0

8.10.00 *8.19.00*

5 *5.10*

55

8.12.00

200

End of

08.00 *39+1=40*

300

not being caught

gl m & R

400

immediately

500

suspended

600

hanging and

700

now in

800

carefully

900

1000

several

1100

pieces of

1200

in it

1300

not O. R.

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Continued
next page*

Shelburne Pt., New Brunswick

Surf	2500	S 48° W. 5 1/10'
Surf 5' 10"	2600	
Surf 61"	2700	
Surf 105"	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Upper surface not seen (out of view) because when the glass was lowered on being by action of S.D. this was not out.
 "Depth of water 2" outside and 1 1/2" inside."

REMARKS:

360-8R

Continued

No. *4421²* Date *May 15, 1904*

Tanner Machine. Reel.

Turns *40* Cor. + *1* Depth *41*

Shot or lead *35 lb.*

Bottom *gy. M. S. R.*

Bottom temperature

No. of thermometer *—* Cor.

Corrected temperature *(56.0° W.)*

Air *11°* Surface *57°* Drift *6/10'*

Trawl or dredge *5 ft. beam trawl*

SOUNDING WIRE.

DOWN. *5 M.* UP.

TURNS.

DREDGE ROPE.

DOWN. *A M.* UP.

<i>8.21.30</i>	<i>15</i>	<i>0</i>	<i>8.21.30</i>	<i>8.37.00</i>
<i>8.22.00</i>	<i>30</i>	<i>50</i>	<i>8.22.00</i>	
<i>8.22.30</i>	<i>45</i>	<i>100</i>	<i>8.22.30</i>	
<i>8.23.00</i>	<i>60</i>	<i>150</i>	<i>8.23.00</i>	<i>8.34.00</i>
<i>8.23.30</i>	<i>75</i>	<i>200</i>	<i>time 7 min</i>	
<i>8.24.00</i>	<i>90</i>	<i>250</i>		
<i>8.24.30</i>	<i>105</i>	<i>300</i>		
<i>8.25.00</i>	<i>120</i>	<i>350</i>		
<i>8.25.30</i>	<i>135</i>	<i>400</i>		
<i>8.26.00</i>	<i>150</i>	<i>450</i>		
<i>8.26.30</i>	<i>165</i>	<i>500</i>		
<i>8.27.00</i>	<i>180</i>	<i>550</i>		
<i>8.27.30</i>	<i>195</i>	<i>600</i>		
<i>8.28.00</i>	<i>210</i>	<i>650</i>		
<i>8.28.30</i>	<i>225</i>	<i>700</i>		
<i>8.29.00</i>	<i>240</i>	<i>750</i>		
<i>8.29.30</i>	<i>255</i>	<i>800</i>		
<i>8.30.00</i>	<i>270</i>	<i>850</i>		
<i>8.30.30</i>	<i>285</i>	<i>900</i>		
<i>8.31.00</i>	<i>300</i>	<i>950</i>		
<i>8.31.30</i>	<i>315</i>	<i>1000</i>		
<i>8.32.00</i>	<i>330</i>	<i>1050</i>		
<i>8.32.30</i>	<i>345</i>	<i>1100</i>		
<i>8.33.00</i>	<i>360</i>	<i>1150</i>		
<i>8.33.30</i>	<i>375</i>	<i>1200</i>		
<i>8.34.00</i>	<i>390</i>	<i>1250</i>		
<i>8.34.30</i>	<i>405</i>	<i>1300</i>		
<i>8.35.00</i>	<i>420</i>	<i>1350</i>		
<i>8.35.30</i>	<i>435</i>	<i>1400</i>		
<i>8.36.00</i>	<i>450</i>	<i>1450</i>		
<i>8.36.30</i>	<i>465</i>	<i>1500</i>		
<i>8.37.00</i>	<i>480</i>	<i>1550</i>		
<i>8.37.30</i>	<i>495</i>	<i>1600</i>		
<i>8.38.00</i>	<i>510</i>	<i>1650</i>		
<i>8.38.30</i>	<i>525</i>	<i>1700</i>		
<i>8.39.00</i>	<i>540</i>	<i>1750</i>		
<i>8.39.30</i>	<i>555</i>	<i>1800</i>		
<i>8.40.00</i>	<i>570</i>	<i>1850</i>		
<i>8.40.30</i>	<i>585</i>	<i>1900</i>		
<i>8.41.00</i>	<i>600</i>	<i>1950</i>		
<i>8.41.30</i>	<i>615</i>	<i>2000</i>		
<i>8.42.00</i>	<i>630</i>	<i>2050</i>		
<i>8.42.30</i>	<i>645</i>	<i>2100</i>		
<i>8.43.00</i>	<i>660</i>	<i>2150</i>		
<i>8.43.30</i>	<i>675</i>	<i>2200</i>		
<i>8.44.00</i>	<i>690</i>	<i>2250</i>		
<i>8.44.30</i>	<i>705</i>	<i>2300</i>		
<i>8.45.00</i>	<i>720</i>	<i>2350</i>		
<i>8.45.30</i>	<i>735</i>	<i>2400</i>		

Brookway Point, S 41° W. 46/10'

<i>Surface</i>	2500	
<i>Base 50 24"</i>	2600	
<i>511</i>	2700	
<i>251</i>	2800	
<i>251</i>	2900	
<i>251</i>	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4431³ Date Aug 15. 24

Tanner Machine. Reel.

Turns 37 Cor. + 1 Depth 38 f

Shot or lead 36 lbs

Bottom R, cr. gy S, Gk op

Bottom temperature

No. of thermometer 101 Cor.

Corrected temperature

Air 1 Surface 57 Drift S 60° W. 710'

Trawl or dredge 2 1/2 ft 17

SOUNDING WIRE.

DOWN. A

UP.

TURNS.

DREDGE ROPE.

DOWN. A

M UP.

8.46.00 38 f

0

48

100

50

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8.42.30 7.03.00

8.47.

9.00.00

times 13 min

V

good haul

Long bar clam

up, arms

bent out of

shape and

lost one each

other

8.52.00 38 f

and Co R

8.58.00 40 f

Tanner

Cl X

11230

11230

11230

11230

11230

11230

11230

11230

11230

11230

11230

11230

Brockway Point, 538° W. 4.0'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4491* ⁴ Date *April 15, 34*
Tanner Machine. Reel.

Turns *39* Cor. + *1* Depth *40 fms*

Shot or lead *26 lbs*

Bottom *R, fine g. S.*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *60°* Surface *58°* Drift *S 60° W. 8/10'*

Trawl or dredge *1 1/2 fathom beam dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. <i>A.</i>	UP. <i>M.</i>		DOWN. <i>A.</i>	UP. <i>M.</i>
<i>9.13.00</i>	<i>9.15.00</i>	<i>0</i>	<i>9.29.00</i>	<i>9.30.00</i>
		<i>100</i>	<i>10.30</i>	
<i>Successive Sds</i>		<i>50</i>	<i>7-13-00</i>	
		<i>100</i>	<i>9.29.00</i>	
<i>9.25.00</i>	<i>41 min</i>	<i>200</i>		
<i>9.27.00</i>	<i>45</i>	<i>300</i>		
<i>R, brk Sh</i>		<i>400</i>		
		<i>500</i>	<i>Trawl led</i>	
		<i>600</i>	<i>9.13 to</i>	<i>9.29</i>
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
<i>14.51</i>		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Brooklyn Point, S 35° W., 3⁵/₁₀'

<div> <div>W. M. N.</div> <div> <div>2500</div> <div>2600</div> <div>2700</div> <div>2800</div> <div>2900</div> <div>3000</div> <div>3100</div> <div>3200</div> <div>3300</div> <div>3400</div> <div>3500</div> <div>3600</div> <div>3700</div> <div>3800</div> <div>3900</div> <div>4000</div> </div> </div>	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D* Date *June 12 1880*
Sigsbee Machine. Reel. *N.T. #1*
 Turns *312* Cor. + *20* Depth *332*
 Shot or lead *36 lb.*
 Bottom *gn. M.*
 Bottom temperature *—*
 No. of thermometer *not used* Cor. *—*
 Corrected temperature *—* { *56.7*
 Air *66°* Surface *59°* Drift *17/10*
 Trawl or dredge *11' D.*

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

<i>12.11.30</i>	<i>10.11.30</i>	0	<i>12.12.11.12.00</i>
<i>12.20</i>	<i>16.45</i>	100	<i>18.20 08.30</i>
<i>3.20</i>	<i>15.30</i>	200	<i>22.20 04.20</i>
<i>5.20</i>	<i>15.20</i>	300	<i>2.10 11.00.00</i>
<i>7.20</i>	<i>15.10</i>	350	<i>10.20 10.47.00</i>
<i>9.20</i>	<i>15.00</i>	400	<i>10.20 10.47.00</i>
<i>11.20</i>	<i>14.50</i>	450	<i>10.20 10.47.00</i>
<i>13.20</i>	<i>14.40</i>	500	<i>10.20 10.47.00</i>
<i>15.20</i>	<i>14.30</i>	550	<i>10.20 10.47.00</i>
<i>17.20</i>	<i>14.20</i>	600	<i>10.20 10.47.00</i>
<i>19.20</i>	<i>14.10</i>	650	<i>10.20 10.47.00</i>
<i>21.20</i>	<i>14.00</i>	700	<i>10.20 10.47.00</i>
<i>23.20</i>	<i>13.50</i>	750	<i>10.20 10.47.00</i>
<i>25.20</i>	<i>13.40</i>	800	<i>10.20 10.47.00</i>
<i>27.20</i>	<i>13.30</i>	850	<i>10.20 10.47.00</i>
<i>29.20</i>	<i>13.20</i>	900	<i>10.20 10.47.00</i>
<i>31.20</i>	<i>13.10</i>	950	<i>10.20 10.47.00</i>
<i>33.20</i>	<i>13.00</i>	1000	<i>10.20 10.47.00</i>
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

St Nicolas College, 4th St.
 St. Paul, Minn.

Senroc	2500	Brockway Point, Smith Island, Smith, B.
	2600	
	2700	
	2800	
	2900	
Clardy & N.	3000	
Smack	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1422* Date *June 15, 1880*
Sigsbee Machine. Reel. *N. 7. 1*
 Turns *265* Cor. + *0* Depth *265 fms.*
 Shot or lead
 Bottom *gn. m.*
 Bottom temperature
 No. of thermometer *not used* Cor.
 Corrected temperature *(N 75° E)*
 Air Surface Drift *51 m*
 Trawl or dredge *11' Tanner as before*

SOUNDING WIRE. <i>44</i>		TURNS.	<i>44</i> , DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>11.19.20</i>	<i>11.18.15</i>
		100	<i>20.30</i>	<i>4.30</i>
		200	<i>6.30</i>	<i>51.30</i>
		300	<i>9.20</i>	<i>7.30</i>
<i>Interim hauls</i>		<i>350</i>		
		<i>400</i>	<i>22.30</i>	<i>11.45.30</i>
<i>11.21.00:245</i>	<i>265</i>	✓ 600	<i>Time 13 1/2 m</i>	
		700		
<i>11.31.00:236.19</i>	<i>255</i>	800		
<i>gn m</i>		900		
<i>11.41.00:225.11</i>	<i>248</i>	1000		
<i>gn m</i>		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Brockway Point, Santa Rosa Is.,

S.W.

3000'

01.0°

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

S 10° E. 7⁵/₁₀'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Am. Sigsbee

$\sigma.L. = 85.6$

No. Dr. 4434 Date 15 April 1904

Sigsbee Machine. Reel. 1 Navy #1

Turns 256 Cor. + 20 Depth 276 fms.

Shot or lead 36 lb 281 lbs

Bottom gn. M.

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature (55.4)

Air 64° Surface 57° Drift 2'

Trawl or dredge 11' Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.00.50	1.09.50	0	1.06.20	2.05.45
03.50	07.50	100	11.00	58.55
04.45	06.45	200	15.00	54.55
1.05.15	1.06.00	256	18.10	50.40
		300	1.20.10	48.15
		400		
		500	= 28 min.	
1.14 -	284 fms. ✓	600	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div>	
1.25 -	271 "	700		
1.35 -	270 "	800		
1.45 -	270 "	900		
		1000	<p>Inboard (port) bridle stop has carried away. The rope in net accordingly. Bridle thimble was dis- placed. No other damage.</p>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Harvie Point, San Miguel Is.

S 21° 8.

9 5/10'

CG Chart

5200.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Course, S.W. by W

Fair, heavy swell

Gentle breeze from S.W.

Clouds, 100% overcast

Bar. 30.08

Therm. 64°

No. 1111.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4425*. Date *15 July 04.*

Sigsbee Machine. Reel. *No. 1.*

Turns *266* Cor. + *21* Depth *287 fms.*

Shot or lead *36 lb*

Bottom *gy. m. s.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *62* Surface *57* Drift *7 16/10'*

Trawl or dredge *11' Tanner beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>2.16.25</i>	<i>2.22.50</i>	0	<i>2.18.20</i>	<i>3.02.20</i>
<i>17.35</i>	<i>21.50</i>	100	<i>22.00</i>	<i>07.00</i>
<i>18.25</i>	<i>21.00</i>	200	<i>26.00</i>	<i>3.02.30</i>
<i>2.19.05</i>	<i>2.20.10</i>	300	<i>30.20</i>	<i>08.45</i>
		350	<i>2.32.20</i>	<i>2.56.50</i>
		400		
		500		
<i>2.28 -</i>	<i>2.57 fms</i>	600		
<i>2.30 -</i>	<i>2.70 "</i>	700		
<i>2.32 -</i>	<i>2.70 "</i>	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Harbor Point, San Miguel Is.

<p>0.00</p> <p>✓</p>		2500	<p>S 13° W,</p> <p>7 7/10'</p> <hr/> <p>CS 5200</p> <hr/>
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
<p>Comes, S.W. by W.</p>		3500	<p>(Long rolling ground)</p>
<p>1 sec. 100 yds.</p>		3600	
<p>Gentle swell in W</p>		3700	
<p>Bar. 30.02</p>		3800	
<p>Therm. at 62.2</p>		3900	
<p>Therm. at 62.2</p>		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4436.* Date *15 Feb. 04*
 Machine. Reel. *1*
 Turns *251* Cor. + *20* Depth *271 fms.*
 Shot or lead *36 lb*
 Bottom *gy. M.*
 Bottom temperature *-*
 No. of thermometer *-* Cor. *11*
 Corrected temperature *55.67°*
 Air *61* Surface *59* Drift *1 7/10'*
 Trawl or dredge *1'*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>3.42.20</i>	<i>3.47.15</i>	0	<i>3.41.00</i>	<i>4.42.00</i>
<i>45.05</i>	<i>46.55</i>	100	<i>46.00</i>	<i>38.00</i>
<i>44.00</i>	<i>46.00</i>	200	<i>48.30</i>	<i>35.00</i>
<i>3.44.30</i>	<i>5.45.30</i>	251	<i>52.00</i>	<i>31.00</i>
		300		
		400	<i>56.15</i>	<i>4.26.30</i>
		500	<i>time 90</i>	<i>15 sec</i>
<i>Inter. Sdgs.</i>		600	<i>good</i>	
<i>4.01.20</i>	<i>4.04.20</i>	700		
<i>4.16.24</i>	<i>2.44.26</i>	800	<i>scab</i>	
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Harris Point, San Miguel Is.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

S 70° E.
98' 10"

0845200

Course W. S.

Trailing line

South range line

Long Range Sound

Bu. 20. 20

Time 11. 42. 4

See note

W. S. W.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	thatcher or sword			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 437* Date *May 10, 1901**Tanner* Machine. Reel.Turns *25* Cor. + *1* Depth *26* fms.Shot or lead *26 lb*Bottom *W. gy S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *56* Surface *57* DriftTrawl or dredge *8' Tanner*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*46**17*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*7.52**7.49**7.46**7.43**7.40**7.37**7.34**7.31**7.28**7.25**7.22**7.19**7.16**7.13**7.10**7.07**7.04**7.01**6.58**6.55**6.52**7.50 - 20 fms. 1.7000**8.00 - 30 " 1.7000**8.10 - 36 " 1.7000**8.20 - 41 " 1.7000**8.30 - 42 " 1.7000**8.40 - 41 " 1.7000**8.50 - 41 " 1.7000*

	2500	
	2600	
	2700	1745600
	2800	Luce to Mangle - 26° 50'
	2900	Mangle to North 2. - 131° 24'
	3000	North 2. - 55° 16'
Dr. Course N. 1/2 E.	3100	East to Mouth - 17° 25'
Tring. Course - xx	3200	No further angles
Lat. & W. Circ.	3300	could be obtained on
Bar. 29.98	3400	account of fog.
Therm. at 58	3500	1/1/0
Smooth sea, long swell.	3600	
xx) Fog shut out	3700	
Signals.	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4438* Date *10*
Tanner Machine. Reel.
 Turns *40* Cor. + *1* Depth *41 fms.*
 Shot or lead *26 lb*
 Bottom *fine gy. S.*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *61* Surface *57* Drift
 Trawl or dredge *8' Tanner as before, with mud-can.*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>8.52.00</i>		0	<i>8.55.00</i>	<i>9.00.00</i>
		50	<i>8.57.00</i>	
		100	<i>8.59.00</i>	<i>9.02.00</i>
		150		
		200		
		250		
		300		
		350		
		400		
		450		
		500		
		550		
<i>9.00.00</i>	<i>44 fms.</i>	600		
<i>9.02.00</i>	<i>45 "</i>	650		
<i>9.04.00</i>	<i>46 "</i>	700		
		750		
		800		
		850		
		900		
		950		
		1000		
		1050		
		1100		
		1150		
		1200		
		1250		
		1300		
		1350		
		1400		
		1450		
		1500		
		1550		
		1600		
		1650		
		1700		
		1750		
		1800		
		1850		
		1900		
		1950		
		2000		
		2050		
		2100		
		2150		
		2200		
		2250		
		2300		
		2350		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
Dr. Course, N. W. by W.		3100	
		3200	
		3300	
		3400	
		3500	40° 18'
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1500*, Date *10 May 1904*
Tanner Machine. Reel.
 Turns *41* Cor. + *1* Depth *42 fms.*
~~Shot or lead~~ *26 lb*
 Bottom *gy. S. bk. Sh.*
 Bottom temperature *-*
 No. of thermometer *-* Cor. *-*
 Corrected temperature *-*
 Air *69°* Surface *58°* Drift *-*
 Trawl or dredge *3' beam trawl*

Am. SOUNDING WIRE.

Am. DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>9.37.00</i>	<i>✓</i>	0	<i>9.37.00</i>	<i>10.14.00</i>
		<i>100</i>	<i>9.41.00</i>	<i>10.11.00</i>
		200		
		300	<i>30 min</i>	
		400		
		500		
<i>9.42.00</i>	<i>42 fms</i>	<i>800</i>		
<i>9.43.00</i>	<i>42 fms</i>	700		
<i>10.00.00</i>	<i>42 fms</i>	800		
<i>10.10.00</i>	<i>40 fms</i>	900		
<i>10.20.00</i>		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *205440* Date *10 Jan 1901*

Tanner Machine. Reel.

Turns *39* Cor. + *1* Depth *39 fms*~~Shot or lead~~ *26 lb*Bottom *gy. S. sh. 8k.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *56* Surface *57* DriftTrawl or dredge *215*

SOUNDING WIRE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.19.40</i>	<i>✓</i>	0	<i>10.20.20</i>	<i>10.56.00</i>
		<i>100</i>	<i>10.24.00</i>	
		<i>50</i>		<i>10.54.25</i>
		200		
		300		
<i>10.20.00</i>	<i>36 fms</i>	400	<i>at 10.42</i>	<i>30 min.</i>
<i>10.40.00</i>	<i>22 fms</i>	500		
<i>10.48.00</i>	<i>27 fms</i>	600		
<i>10.54.00</i>	<i>26 fms</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500		
		2600		
		2700		
		2800		
		2900		
Dr. Course	SE, E, E	3000		
Fair, hazy		3100		
Gentle breeze, S.E.		3200		
Smooth sea, long swell		3300		
Bar. 29.97		3400		
Therm. at. 59		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *5111* Date *10 May 1904*

Tanner Machine. Reel.

Turns *3* Cor. + *1* Depth *3* fms.~~Shot or lead~~ *26 lb*Bottom *Sy. S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *56* Surface *57* DriftTrawl or dredge *8 ft. beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.16.00</i>		0	<i>11.17.00</i>	<i>11.45.00</i>
		<i>50</i>	<i>11.22.00</i>	<i>11.43.40</i>
		100		
		200		
<i>Inter. Sigs.</i>		300	<i>31 m</i>	
<i>11.22.00</i>	<i>35 fms.</i>	400		
<i>11.22.00</i>	<i>32</i>	500		
<i>11.22.00</i>	<i>30</i>	600		
	<i>28</i>	<i>700</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
Very large	3100	11.18.20
Crude oil	3200	Luce to
Small fish	3300	Mussel
29.00	3400	11.22.00
11.00	3500	Luce to
11.00	3600	Mussel to Sand
	3700	
	3800	Luce to
	3900	Mussel to
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4442* Date *May 10 1904*

Tanner Machine. Reel.

Turns *22* Cor. + *1*

Depth *26 fms.*

Shot or lead *26 lbs*

Bottom *fine gy S*

Bottom temperature *see Dr 4443*

No. of thermometer Cor.

Corrected temperature

Air *62°* Surface *58°* Drift

Trawl or dredge *11' Dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-56-00</i>	<i>26</i>	<i>35</i>	<i>1-53-00</i>	<i>2-30-00</i>
<i>1-57-00</i>	<i>27</i>	<i>40</i>	<i>1-52-00</i>	<i>2-27-55</i>
<i>1-58-00</i>	<i>28</i>	<i>45</i>	<i>1-51-00</i>	
<i>1-59-00</i>	<i>29</i>	<i>50</i>	<i>1-50-00</i>	
<i>2-00-00</i>	<i>30</i>	<i>55</i>	<i>1-49-00</i>	
		<i>60</i>	<i>1-48-00</i>	
		<i>65</i>	<i>1-47-00</i>	
		<i>70</i>	<i>1-46-00</i>	
		<i>75</i>	<i>1-45-00</i>	
		<i>80</i>	<i>1-44-00</i>	
		<i>85</i>	<i>1-43-00</i>	
		<i>90</i>	<i>1-42-00</i>	
		<i>95</i>	<i>1-41-00</i>	
		<i>100</i>	<i>1-40-00</i>	
		<i>105</i>	<i>1-39-00</i>	
		<i>110</i>	<i>1-38-00</i>	
		<i>115</i>	<i>1-37-00</i>	
		<i>120</i>	<i>1-36-00</i>	
		<i>125</i>	<i>1-35-00</i>	
		<i>130</i>	<i>1-34-00</i>	
		<i>135</i>	<i>1-33-00</i>	
		<i>140</i>	<i>1-32-00</i>	
		<i>145</i>	<i>1-31-00</i>	
		<i>150</i>	<i>1-30-00</i>	
		<i>155</i>	<i>1-29-00</i>	
		<i>160</i>	<i>1-28-00</i>	
		<i>165</i>	<i>1-27-00</i>	
		<i>170</i>	<i>1-26-00</i>	
		<i>175</i>	<i>1-25-00</i>	
		<i>180</i>	<i>1-24-00</i>	
		<i>185</i>	<i>1-23-00</i>	
		<i>190</i>	<i>1-22-00</i>	
		<i>195</i>	<i>1-21-00</i>	
		<i>200</i>	<i>1-20-00</i>	
		<i>205</i>	<i>1-19-00</i>	
		<i>210</i>	<i>1-18-00</i>	
		<i>215</i>	<i>1-17-00</i>	
		<i>220</i>	<i>1-16-00</i>	
		<i>225</i>	<i>1-15-00</i>	
		<i>230</i>	<i>1-14-00</i>	
		<i>235</i>	<i>1-13-00</i>	
		<i>240</i>	<i>1-12-00</i>	

Hy. 4797

PM. 2.27.55

1310 47.00

PM. 2.14.38

14015.00

PM. 5.43.30

14015.00

Dr. Cruise SW

Bar. 29.91

Th. alt. 63°

W. N. N. W.

Sea smooth, gentle S. S. W.

Weather: hazy pleasant

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Dr. Cruise SW
14015.00
14015.00
14015.00

No. Dr 4443 Date May 10 '04

Tanner Machine. Reel.

Turns 31 Cor. + 1 Depth 32 fms

Shot or lead 26 lbs

Bottom fine gy S

Bottom temperature 48° and 48° again

No. of thermometer 98242 Cor.

Corrected temperature

Air 64° Surface 58° Drift

Trawl or dredge 11' beam trawl

SOUNDING WIRE.

DOWN. FM UP.

TURNS.

DREDGE ROPE.

DOWN. P. H. UP.

2:39.00	✓	0	2 39.13	3-14.00
		175	2 42.00	✓
		200		
		50	2 48.00	3:09.30
		300		
2:48.00	33 fms	400	reel to 50 at 2:53	
2:55.00	35 "	500	time at 27 fms	
3:01.00	36 "	600	Small haul	
3:08	37 "	700		
Therm 48° again		800		
		900	nothing to be	
		1000	unloading	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

D. 2.39.14 SW B. 29.91 13° N. VIV. 52.3 10.1		2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000	3.09.22 - 117° 45' day to Salinas 99° 48'	2.39.14 P.M. 109° 55' 109° 51'	Time 2.39.14 131° 40' 131° 40'
--	--	--	--	---	---

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 100* Date *May 10 - 94*

Machine. Reel.

Turns *39* Cor. + *1* Depth *40 fms*Shot or lead *25 lbs*Bottom *fine gy S*Bottom temperature *48° and 48 again*No. of thermometer *785* Cor.

Corrected temperature

Air *60°* Surface *59°* DriftTrawl or dredge *11' 2" as before* *2nd Mudding*

SOUNDING WIRE.

DOWN. *7-11*. UP.

TURNS.

DREDGE ROPE.

DOWN. *P. 1*. UP.*3. 11. 0 3. 28. 30**0**3. 30. 10 3. 59. 10**55**3. 32. 20 3. 55. 14**100**200**3. 34. 00 - 40 min**300**time 3 1/4 4 1/2**3. 41. 00 - 41**400**3. 46. 00 - 45**500**3. 54. 00 - 40 "**600**Temp 48°**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Small Ho*

<i>Position 1. 3 mi</i> <i>3.25.10</i>		<i>114° 26'</i> <i>97° 25'</i>
<i>3.21.54</i>		<i>106° 13'</i> <i>97° 24'</i>
<i>3.20.10</i>		<i>100° 12'</i> <i>100° 46'</i>
<i>3.18.45</i>		<i>93° 31'</i> <i>106° 46'</i>
<i>2500</i> <i>2600</i> <i>2700</i> <i>2800</i> <i>2900</i> <i>3000</i> <i>3100</i> <i>3200</i> <i>3300</i> <i>3400</i> <i>3500</i> <i>3600</i> <i>3700</i> <i>3800</i> <i>3900</i> <i>4000</i>		<i>115° 20'</i>

5. 30. 10
5. 40. 10
7 3/4 miles

driving the day

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				<i>No data for 25 fms</i> <i>Dr. Smith's data</i>
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4445 Date 11 Mar 1904

Tanner Machine. Reel.

Turns 65 Cor. + 1 Depth 66 fms.

Shot or lead 260

Bottom gy. M.

Bottom temperature — (see inter. Sdys)

No. of thermometer 98242 Cor.

Corrected temperature —

Air 58 Surface 57 Drift

Trawl or dredge 11' Trawl prevention gear used.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.26.00	8.28.30	0	8.26.25	8.28.30
8.27.00	8.27.05	100	8.31.00	8.31.00
— inter. 2 hrs. —	—	200		
		300		
8.31.45	66 fms. Rot.	400	8.31.50	8.31.50
8.40.00	62 "	500		
8.47.30	61 "	600		
8.53.00	60 "	700		
8.58.00	60 "	800		
9.02.00	60 " Rot. temp.	900	47.7° - 52.1°	
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Conrad	2900	2900
(Overcast)	3000	3000
South Sea	3100	3100
Bar. 29.96	3200	3200
Temp. 10.50	3300	3300
	3400	3400
	3500	3500
	3600	3600
	3700	3700
	3800	3800
	3900	3900
	4000	4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4446* Date *11 May 1907*

Tanner Machine. Reel.

Turns *58* Cor. + *1* Depth *59*

Shot or lead *26 lb*

Bottom *gy. M.*

Bottom temperature

No. of thermometer *98242* Cor.

Corrected temperature

Air *53* Surface *58* Drift

Trawl or dredge *11' Fur. as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.14.00</i>	<i>9.15.10</i>	0	<i>9.14.00</i>	<i>9.52.40</i>
<i>15.00</i>	<i>9.15.40</i>	<i>80</i>	<i>9.18.00</i>	<i>9.49.00</i>
		100	<i>= 31 min.</i>	
		200		
		300		
		400		
		500		
<i>9.22.00</i>	<i>9.16.00</i>	600	<i>47.7 - 70</i>	
<i>9.30.00</i>	<i>9.16.30</i>	700		
<i>9.40.00</i>	<i>9.17.00</i>	800		
<i>9.49.00</i>	<i>9.17.30</i>	900	<i>47.2 - 70</i>	
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Overboard	2900	No data
Surface	3000	on account of
Surface	3100	of the water
Surface	3200	
Surface	3300	
Surface	3400	
Surface	3500	
Surface	3600	
Surface	3700	
Surface	3800	
Surface	3900	
Surface	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				12
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4447* Date *11 May 1904*

Tanner Machine. Reel.

Turns *51* Cor. + *1* Depth *52 fms.*Shot or lead *26 lb*Bottom *gn. M.*Bottom temperature *47.50*No. of thermometer *98242* Cor.

Corrected temperature

Air *52* Surface *57* DriftTrawl or dredge *11' Tm. as before.*

SOUNDING WIRE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.02.30</i>	<i>10.07.40</i>	0	<i>10.03.50</i>	<i>10.40.00</i>
<i>10.10.00</i>	<i>10.06.30</i>	100	<i>07.00</i>	<i>10.37.00</i>
		200	<i>= 30 min.</i>	
		300		
		400		
		500		
<i>10.15.00</i>	<i>- 48 fms.</i>	600		
<i>10.25.00</i>	<i>- 47 "</i>	700		
<i>10.35.00</i>	<i>- 45 "</i>	800		
<i>10.40.00</i>	<i>- 42 "</i>	900		
		1000	<i>47.90</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	Position:
	2800	10.15.00 or
	2900	First third of Haul:
	3000	St. Pierre Lt Ho. - S7/8 W.
	3100	Can. Lt Ho. - S85 E
	3200	10.20.00
	3300	10.40 - Saffil
	3400	10.40 - Saffil
	3500	10.40 - Saffil
	3600	10.40 - Saffil
	3700	10.40 - Saffil
	3800	10.40 - Saffil
	3900	10.40 - Saffil
	4000	10.40 - Saffil

Dr. Cruise 2547.0
 Moderate breeze SSW
 Smooth sea.
 Base 20.06
 Numerous gulls

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

4448

Date

11 May 1904

Machine.

Reel.

Turns

Cor. +

Depth

45 fms.

Shot or lead

264

45 fms.

Bottom

52 M.

Bottom temperature

47.9°

No. of thermometer

98242

Cor.

Corrected temperature

Air

53

Surface

54

Drift

Trawl or dredge

11' Trawl with mud-sucker (1.5 ft)

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

10.47

0

10.47.00

11.20.20

100

10.50.00

11.17.00

200

= 27 min. ✓

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10.52

45 fms.

Bot. Temp. 47.9

10.57

51 "

11.02

50 "

11.07

51 "

11.12

55 "

11.17

55 "

11.20

34 "

Bot. Temp. 48.0

	2500	
	2600	
	2700	
	2800	
	2900	Position:
Dr. Course SE by E.	3000	10.48.00 (begins)
All remarks	3100	Lt Ho. bears SSW $\frac{1}{4}$ W.
as before,	3200	Lt Ho. to Sd H. $38^{\circ}19'$
but weather	3300	11.02.00
clearing.	3400	Lt Ho. bears SSW $\frac{3}{4}$ W.
	3500	Lt Ho. to Bay $58^{\circ}41'$
	3600	11.17.14
	3700	Lt Ho. bears SW $\frac{5}{8}$ S.
	3800	Lt Ho. to Bay $58^{\circ}12'$
	3900	end of haul.
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4449.* Date *11 May 1904.*

Tanner Machine. Reel.

Turns *28* Cor. + *1* Depth *29 fms.*Shot or lead *26 lb*Bottom *sn M.*Bottom temperature *49°* (also see inter slips)No. of thermometer *98242* Cor.

Corrected temperature

Air *53* Surface *54* Drift *but no wind*Trawl or dredge *11 Tnr. as before* *catcher*

am. SOUNDING WIRE.

TURNS.

am. DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11.26.09

✓

0

*11.26.09 11.42.40**45*
100*11.29.00 11.40.08*

200

300

400

500

*Inter Slips.**11.30.00 - 26 fms. 52600 ft.**11.35.00 - 23 - 52700 ft.**11.40.00 - 22 -*

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	Position.
	2900	
All remarks as before.	3000	11.26.09 (begin).
	3100	Lt Ho Bea SW 1/4 S
	3200	Lt Ho E Bay 57° 03'
	3300	11.40.09
	3400	Lt Ho Bea SW 1/8 W
	3500	Lt Ho E Bay 54° 24'
	3600	(ends)
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

This Days work continued
in succeeding Record book
No 7.

REMARKS:

No. _____ Date _____

Machine. _____ Reel. _____

Turns _____ Cor. + _____ Depth _____

Shot or lead _____

Bottom _____

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		